

Tmap Next In Scrum Sogeti

The book provides a practical and comprehensive overview of how to test embedded software. The book describes how embedded systems can be tested in a structured, controlled way. The first complete description of all necessary ingredients of a testing process. It includes classic as well as modern test design techniques. The described approach is useful in real-life situations of 'limited time and resources. Technology: More and more our society is pervaded by embedded software: cars, telecom, home entertainment devices are full of software. Embedded systems are becoming larger and more complex with an increasing amount of software, leading to a growing need for a structured testing method which helps to tackle the typical problems in embedded software testing. Audience: Managers or team leaders that are responsible for development and/or testing of embedded software and systems. Also, people who actually perform the primary software testing activities. User level: Intermediate. Bart Broekman has been a software test practitioner since 1990. He participated in European embedded software research projects (ITEA) and is co-author of a book on test automation. Edwin Notenboom has been a professional tester at Sogeti for six years. Together with Bart Broekman, he participated in a european ITEA project on embedded systems since February 1999.

This book covers the syllabus for the Improving the Test Process module of the International Software Testing Qualifications Board (ISTQB) Expert Level exam. To obtain certification as a professional tester at the Expert Level, candidates may choose to take a course given by an ISTQB accredited training provider and then sit for the exam. Experience shows that many candidates who choose this path still require a reference book that covers the course. There are also many IT professionals who choose self-study as the most appropriate route toward certification. This book can be used both as a preparation guide for those planning to take the ISTQB Expert Level certification exam and as a practical guide for experienced testing professionals who want to develop their skills in improving test processes. Supporting teams in implementing quality in DevOps culture, with practical examples, useful knowledge and some theoretical background. To continuously deliver IT systems at speed with a focus on business value, DevOps teams integrate quality engineering in their way of working. This book supports teams in implementing quality in their DevOps culture, with practical examples, useful knowledge and some theoretical background. For example, it describes how to benefit from a CI/CD pipeline. TMAP is the body of knowledge for quality engineering in IT delivery and builds on practical experience from thousands of people in more than twenty-five years. The website, www.tmap.net, supports any kind of IT delivery model. This book, however, focuses on DevOps: today's implementation of high-performance IT delivery.

stop wasting time and money PointZERO® is a vision aimed at increasing business success by parallel and step-by-step improvement across the application lifecycle, to shorten time to market, avoid and reduce cost, eliminate risk, and reach fit for purpose quality.

Uncover surprises, risks, and potentially serious bugs with exploratory testing. Rather than designing all tests in advance, explorers design and execute small, rapid experiments, using what they learned from the last little experiment to inform the next. Learn essential skills of a master explorer, including how to analyze software to discover key points of vulnerability, how to design experiments on the fly, how to hone your observation skills, and how to focus your efforts. Software is full of surprises. No matter how careful or skilled you are, when you create software it can behave differently than you intended. Exploratory testing mitigates those risks. Part 1 introduces the core, essential skills of a master explorer. You'll learn to craft charters to guide your exploration, to observe what's really happening (hint: it's harder than it sounds), to identify interesting variations, and to determine what expected behavior should be when exercising software in unexpected ways. Part 2 builds on that foundation. You'll learn how to explore by varying interactions, sequences, data, timing, and configurations. Along the way you'll see how to incorporate analysis techniques like state modeling, data modeling, and defining context diagrams into your explorer's arsenal. Part 3 brings the techniques back into the context of a software project. You'll apply the skills and techniques in a variety of contexts and integrate exploration into the development cycle from the very beginning. You can apply the techniques in this book to any kind of software. Whether you work on embedded systems, Web applications, desktop applications, APIs, or something else, you'll find this book contains a wealth of concrete and practical advice about exploring your software to discover its capabilities, limitations, and risks.

Everybody is confronted with cloud computing. Whether you are a user, designer, programmer, project manager, or tester, sooner or later the cloud affects your work. If you are involved in selecting or implementing services from the cloud, or in keeping them up and running, this book will prove to be an invaluable resource. Testing Cloud Services covers an extensive list of risks that arise when implementing cloud computing, including some traditional risks and some completely new ones, and provides strategies for avoiding these risks and solving problems. Every risk is connected to existing, updated, and new test measures. It is necessary to start testing during the selection of cloud services, and continue end-to-end testing even after going live, as continuity risks arise all the time. With this book in hand, you will save a lot of time and discover an effective approach to testing that can be applied in practice immediately!

This open access book, published to mark the 15th anniversary of the International Software Quality Institute (iSQI), is intended to raise the profile of software testers and their profession. It gathers contributions by respected software testing

experts in order to highlight the state of the art as well as future challenges and trends. In addition, it covers current and emerging technologies like test automation, DevOps, and artificial intelligence methodologies used for software testing, before taking a look into the future. The contributing authors answer questions like: "How is the profession of tester currently changing? What should testers be prepared for in the years to come, and what skills will the next generation need? What opportunities are available for further training today? What will testing look like in an agile world that is user-centered and fast-paced? What tasks will remain for testers once the most important processes are automated?" iSQI has been focused on the education and certification of software testers for fifteen years now, and in the process has contributed to improving the quality of software in many areas. The papers gathered here clearly reflect the numerous ways in which software quality assurance can play a critical role in various areas. Accordingly, the book will be of interest to both professional software testers and managers working in software testing or software quality assurance.

Use Visual Studio® Team Foundation Server 2012 and Agile Methods to Deliver Higher Value Software Faster This is the definitive guide to applying agile development and modern software engineering practices with Visual Studio Team Foundation Server 2012—Microsoft's complementary Application Lifecycle Management (ALM) platform. Written by the Microsoft Visual Studio product owner and a long-time Team Foundation Server implementation specialist, it focuses on solving real development challenges, systematically eliminating waste, improving transparency, and delivering better software more quickly and painlessly. Coverage includes

- Accelerating the "flow of value" to customers, with a transparent backlog, PowerPoint Storyboarding, VS 2012 feedback requests, and a "usability lab" right into your customers' hands
- Driving quality upstream to uncover hidden architectural patterns, ensure cleaner code, fix multiple recurring "cloned" bugs at once, ensure the definition of done with continuous integration and deployment in a reliable build process
- Eliminating "no repro" bugs with VS 2012's six powerful mechanisms for more accurate fault identification and use of virtualized test environments
- Using Scrum or other Agile methods with Process Templates effectively across distributed teams in large organization by automating burndowns and dashboards to identify "early warning signals" of emerging problems with quality or maintainability
- Staying in the groove by storing the state of your work and environment with shelvesets, to let you handle interruptions smoothly
- Leveraging VS 2012's new support for multiple Microsoft and open source unit testing frameworks in your IDE and continuous integration pipeline
- Performing exploratory testing to uncover bugs in surprising places and testing immersive Windows 8 apps
- Rapidly improving team development and collaboration with the hosted Team Foundation Service

Whatever your development role, this book will help you apply modern software development practices using Visual Studio Team Foundation Server 2012 to focus on what really matters: building software that begins delivering exceptional value sooner and keeps delighting customers far

into the future.

This practically-focused textbook provides a concise and accessible introduction to the field of software testing, explaining the fundamental principles and offering guidance on applying the theory in an industrial environment. Topics and features: presents a brief history of software quality and its influential pioneers, as well as a discussion of the various software lifecycles used in software development; describes the fundamentals of testing in traditional software engineering, and the role that static testing plays in building quality into a product; explains the process of software test planning, test analysis and design, and test management; discusses test outsourcing, and test metrics and problem solving; reviews the tools available to support software testing activities, and the benefits of a software process improvement initiative; examines testing in the Agile world, and the verification of safety critical systems; considers the legal and ethical aspects of software testing, and the importance of software configuration management; provides key learning topics and review questions in every chapter, and supplies a helpful glossary at the end of the book. This easy-to-follow guide is an essential resource for undergraduate students of computer science seeking to learn about software testing, and how to build high quality and reliable software on time and on budget. The work will also be of interest to industrialists including software engineers, software testers, quality professionals and software managers, as well as the motivated general reader.

Testing in the digital age brings a new vision on test engineering, using new quality attributes that tackle intelligent machines and a roadmap split up in five hops. With everything digital there are more possibilities for test automation and piles of (test) data growing out of control. Working together with robots (cobotics), using artificial intelligence in testing and eventually predict the occurrence of defects brings your testing to the digital age. We have interviewed companies on their view of digital testing. A glossary brings an extensive list of terms that supports you in all your test communications.

This book covers the ISTQB Expert Level Test Manager syllabus and is a complete, one-stop preparation guide for the reader who is otherwise qualified (based on experience as a test manager) to take the Expert Level Test Manager exam. Included are extensive hands-on exercises and sample exam questions that comply with ISTQB standards for Expert Level exams. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 11.0px Verdana} p.p2 {margin: 0.0px 0.0px 0.0px 0.0px; font: 11.0px Verdana; min-height: 13.0px} The ISTQB certification program is the leading software tester certification program in the world. With more than 500,000 certificates issued and a global presence in 70 countries, you can be confident in the value and international stature that the ISTQB Expert Level certificate can offer you.

This textbook provides organisational leadership with an understanding of business process management and its benefits to an organisation. It provides a practical framework, complete with a set of tools and techniques, to successfully implement business process management projects.

Establishing and maintaining a process-focused organization is critical as organizations are pressured to keep achieving further growth and profitability. This book provides a thorough exposition of the six key dimensions necessary for the creation of a process-

focused organization.

Business Driven Test Management (BDTM) Dit boek biedt de business- en IT-manager inzicht in de zakelijke sturingsmogelijkheden van het testproces: Business Driven Test Management (BDTM). BDTM stelt het resultaat voorop en geeft de opdrachtgever (business of IT-manager) van het testproces de mogelijkheid de afdekking van de risico's, de doorlooptijd en de kosten van het testproces te besturen, zowel in de planningfase als in de uitvoeringsfase. Tevens bevat dit boek een inleiding en samenvatting van de Test Management approach TMap NEXT®. Dit is een testmethode die is samen te vatten in vier essenties: * Business Driven Test Management (BDTM), handvatten voor de opdrachtgever om testen aan te sturen op basis van zakelijke gronden. * Een volledige beschrijving van het testproces, van testmanagement tot testspecificatie en -uitvoering. * Een complete 'gereedschapskist' met techniekbeschrijvingen en organisatorische en infrastructurele ondersteuning. * De methode is adaptief en daarmee geschikt voor gebruik in de uiteenlopende situaties en omgevingen (nieuwbouw, onderhoud, waterval / iteratief / agile, maatwerk of pakketsoftware, outsourcing / offshoring).

This book covers the ISTQB Expert Level Test Manager syllabus and is a complete, one-stop preparation guide for the reader who is otherwise qualified (based on experience as a test manager) to take the Expert Level Test Manager exam. Included are extensive hands-on exercises and sample exam questions that comply with ISTQB standards for Expert Level exams. The ISTQB certification program is the leading software tester certification program in the world. With more than 500,000 certificates issued and a global presence in 70 countries, you can be confident in the value and international stature that the ISTQB Expert Level certificate can offer you.

Automated testing is a cornerstone of agile development. An effective testing strategy will deliver new functionality more aggressively, accelerate user feedback, and improve quality. However, for many developers, creating effective automated tests is a unique and unfamiliar challenge. xUnit Test Patterns is the definitive guide to writing automated tests using xUnit, the most popular unit testing framework in use today. Agile coach and test automation expert Gerard Meszaros describes 68 proven patterns for making tests easier to write, understand, and maintain. He then shows you how to make them more robust and repeatable--and far more cost-effective. Loaded with information, this book feels like three books in one. The first part is a detailed tutorial on test automation that covers everything from test strategy to in-depth test coding. The second part, a catalog of 18 frequently encountered "test smells," provides trouble-shooting guidelines to help you determine the root cause of problems and the most applicable patterns. The third part contains detailed descriptions of each pattern, including refactoring instructions illustrated by extensive code samples in multiple programming languages.

Orthogonal arrays have played a vital role in improving the quality of products manufactured throughout the world. This first book on the subject since its introduction more than fifty years ago serves as a key resource to this area of designing experiments. Most of the arrays obtained by the methods in this book are available electronically. Anyone running experiments - whether in a chemistry lab or a manufacturing plant, or in agricultural or medical research - will find this book useful.

Quality for DevOps teams
Uitgeverij kleine Uil

This reference provides a practical introduction to PEAf (pragmatic enterprise architecture framework) and its use in enterprise-architecture practice for those who want to explore how to get an enterprise on track with EA.

TPI® NEXT, the Business Driven Test Process Improvement model Over the past ten years, TPI® has proved to be the leading methodology to assess the maturity of an organizations or projects test process. This is a success we, at Sogeti, are very proud of. But this success by no means implies that we are `done and can rest on our laurels. Sogetis answer to this need: TPI® NEXT, the Business Driven Test Process Improvement model (BDTPI). The strengths of the original model (Key areas, Maturity levels, Checkpoints, Improvement suggestions and Stepwise improvement) have been kept and have been made even stronger. The improvements that make the new model truly business-driven are the Clusters and the Enablers. Since business drivers change over time and from entity to entity, this model is flexible and adaptable, and works in synch with Sogetis other worldleading test methodology, TMap® NEXT. But the Business Driven TPI model is independent so no matter what test method is used, this approach can be applied under any circumstance. If you have not started improving your testing process, now it is the time to begin, and, with the TPI® NEXT book at hand, it is now even easier to do so and to convince all of your stakeholders of its business value. But also, if you are already on the way to improving your testing process, a close look at Business Driven TPI will help you focus even more on the goal of improving your testing process, namely bringing business value to your organization! TMap NEXT® Testing Clouds is different from its TMap predecessors. Whereas the books in the TMap series are handbooks with step-by-step information, this book is an innovation, about testing clouds for the early adopter. It describes the cloud business model for testing, Business Technology and steps we took in cloud projects. The Cloud is still at an early stage, but the growth of cloud-based computing is outstripping even the most optimistic predictions. Its early 2011 and almost all forecasts of the most important IT technologies name cloud computing in their Top 3. That growth is based on a compelling value proposition: speed to market, agility to bring forward or retire service, and the chance to move expenditure from CapEx into OpEx. Although the cloud is still in its infancy, it is increasingly clear that the cloud model will supplement, if not entirely replace, mainframe and client/server installations in the years to come. The cloud is a business model or platform on which testing must be carried out just like any other service. It enables convenient, on- demand network access to a shared pool of configurable computing resources. It is not only an IT opportunity, but a strategic business opportunity; it creates the ability to get the business in charge of IT and change from Information Technology (IT) to Business Technology (BT). And as the Cloud Era emerges, testing will change! Not only for information systems, but also for testing the infrastructure, cloud- enabled applications, and the ability to have instant deployable test infrastructure. Testing applications on the cloud is the same as testing applications on a traditional infrastructure. Only what is tested is different.

Get past the myths of testing in agile environments - and implement agile testing the RIGHT way. * * For everyone concerned with agile testing: developers, testers, managers, customers, and other stakeholders. * Covers every key issue: Values, practices, organizational and cultural challenges, collaboration, metrics, infrastructure, documentation, tools, and more. * By two of the world's most experienced agile testing practitioners and consultants. Software testing has always been crucial, but it may be even more crucial in agile environments that rely heavily on repeated iterations of software capable of passing tests. There are, however, many myths associated with testing in agile environments. This book helps agile team members overcome those myths -- and implement testing that truly maximizes software quality and value. Long-time agile testers Lisa Crispin and Janet Gregory offer powerful insights for three large, diverse groups of readers: experienced

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testers who are new to agile; members of newly-created agile teams who aren't sure how to perform testing or work with testers; and test/QA managers whose development teams are implementing agile. Readers will learn specific agile testing practices and techniques that can mean the difference between success and failure; discover how to transition 'traditional' test teams to agile; and learn how to integrate testers smoothly into agile teams. Drawing on extensive experience, the authors illuminate topics ranging from culture to test planning to automated tools. They cover every form of testing: business-facing tests, technology-facing tests, exploratory tests, context-driven and scenario tests, load, stability, and endurance tests, and more. Using this book's techniques, readers can improve the effectiveness and reduce the risks of any agile project or initiative.

Neil's Quest for Quality A TMap HD Story The world of IT is changing rapidly, with innovations following one another in breathtaking succession. This applies not only to the field of technology, but also to our way of working. Time-to-market and cost limiting are becoming more important by the day. These new ways of working are occasionally perceived as a threat to the quality of our software products. This book shows the opposite: TMap® HD, a human-driven and quality-driven approach offers opportunities to improve software quality in these newly emerging circumstances. I am immensely proud of the way this book has been created. The main writers, Aldert and Erik, were selected by means of a competition in which the entire international Sogeti test community participated. They were supported by a writing team, over a hundred reviewers and the whole Sogeti organization. All were jointly responsible for this innovative book. I trust that this work will inspire you to adopt a more quality-driven approach to your way of working. Marco van den Brink Director of Testing and Quality Control, Sogeti Netherlands

Decades of software testing experience condensed into the most important lessons learned. The world's leading software testing experts lend you their wisdom and years of experience to help you avoid the most common mistakes in testing software. Each lesson is an assertion related to software testing, followed by an explanation or example that shows you the how, when, and why of the testing lesson. More than just tips, tricks, and pitfalls to avoid, Lessons Learned in Software Testing speeds you through the critical testing phase of the software development project without the extensive trial and error it normally takes to do so. The ultimate resource for software testers and developers at every level of expertise, this guidebook features: * Over 200 lessons gleaned from over 30 years of combined testing experience * Tips, tricks, and common pitfalls to avoid by simply reading the book rather than finding out the hard way * Lessons for all key topic areas, including test design, test management, testing strategies, and bug reporting * Explanations and examples of each testing trouble spot help illustrate each lesson's assertion

The #1 guide to using Visual Studio 2010 in team development: insider coverage of this huge release, from the leader of the VSTS team * *Focuses on succeeding with new VS 2010 ALM products in real-world environments, with exclusive 'Lessons Learned at Microsoft'. *Thoroughly covers VS 2010's massive new capabilities for team development. *Contains extensive new coverage of implementing Scrum and related practices. *Covers the entire lifecycle: requirements, architecture, construction, build, test, and more This is the most practical, valuable guide for every member of the software team who intends to run or participate in software projects using Microsoft's Visual Studio 2010. Written by a top Microsoft Visual Studio development team leader and a leading Visual Studio implementation consultant, it focuses on the real challenges development organizations face. The authors identify powerful lessons and best practices learned at Microsoft, and cover the entire development lifecycle, from requirements gathering

through testing and beyond. This edition adds extensive coverage of VS 2010's extensive new team features, as well as new coverage of using VS 2010 to actively support teams that practice Scrum. Throughout, the authors focus on showing how to use VS 2010 to reduce waste, increase transparency, and accelerate the flow of value to the end customer. Coverage includes: *

- *Requirements: vision, user stories, use cases, storyboards, satisfiers/dissatisfiers, and more
- *Running the project: self-managing teams, metrics, sprints, and dashboards
- *'Value-up' views of software architecture, construction, and testing.
- *Build and lab: check-in, team build, continuous integration, build verification tests, reporting, deployment, and lab automation/virtualization.
- *Troubleshooting the project: overcoming issues ranging from scope creep to build failures

In recent years, the structured testing of software has grown to be a profession in its own right. Sogeti's Test Process Improvement (or TPI) methodology is a well-recognised tool in this field. Now TPI Next is providing the next step forward in raising the standards of the test improvement process.

Outsourcing is here to stay. It is inextricably linked to the globalization of business. International trade networks continue to connect the world's economies and organizations increasingly turn to partners, often through outsourcing, to help them:

- better leverage what they are best at,
- gain greater flexibility and reach and
- drive down their overall business costs and risks.

The Harvard Business Review lists outsourcing as one of the most important new management ideas and practices of this century. This substantial title is the official version of the Outsourcing Professional Body of Knowledge by IAOP (International Association of Outsourcing Professionals), in short: OPBOK. This is the official publication of OPBOK Version 10. This new version has been revised on these points:

- New appendix on applicable Rules and Regulations applicable to outsourcing.
- New appendices mapping COP Standards to eSCM-SP and eSCM-SP capability models.
- New and updated definitions on various forms of outsourcing, graphics, and templates.
- More detailed discussions on: various outsourcing geographies, renewing and exiting agreement options, change management, multi-sourcing management and roles of PMO, and other new trends in outsourcing.

Also, this Version 10 of OPBOK identifies the best practices of outsourcing professionals around the globe and presents the reader with a complete and practical guide to this emerging, complex discipline. It gives readers full guidance on the critical 'make or break' factors in any outsourcing program:

- governance and defining a strategic approach to Outsourcing;
- identifying and communicating business requirements;
- selecting and qualifying providers;
- gaining internal buy-In, creating project teams;
- value assessment (value for money and return on investment).

This authoritative title provides an invaluable resource for any outsourcing professional: the best practice guidance is complemented by practical checklists and templates. Readers can therefore apply rigorous disciplines to ensure internal and external requirements are fully considered and implemented at each stage of the process. To support the application of OPBOK in organizations, the templates in Appendix A are also available as separate publication: Outsourcing Professional Body of Knowledge: OPBOK Version 10 – Templates (978 94 018 0536 0) It will become a key desktop resource for successful outsourcing professionals who achieve corporate and personal goals in this field.

- There is also a template available. This Template is a Word file; to be used with Microsoft Office 2010 and more recent versions.
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This template is only available via Van Haren Publishing! • These Templates are additional material to the VHP publication: ISBN 978 94 018 0536 0 ["a href="/9789401800006">klik hier](/9789401800006)

TMap hat sich in den letzten 10 Jahren in vielen Organisationen weltweit zum Standard für das Softwaretesten entwickelt. Die Erfahrungen mit der Nutzung der Methode über diese Jahre und die neuen Ansätze in der Softwareentwicklung haben die Autoren zu einer grundlegenden Überarbeitung von TMap veranlasst, deren Darstellung dem Leser nun in deutscher Übersetzung vorliegt. TMap ist eine effiziente Methode, die den gesamten Testprozess umfasst, von der Planung der Tests über die Vorbereitung und Durchführung bis zum bewertenden Abschluss. Das neue TMap gibt dem Kunden die weitgehende Kontrolle über den Testprozess und dessen Reihenfolge, es bietet darüber hinaus einen kompletten "Werkzeugkasten", d.h. technische Verfahren, organisatorische Hilfestellungen und Unterstützung für die Infrastruktur. Darüber hinaus ist TMap adaptiv, also für alle Situationen geeignet, in denen getestet wird. Das Buch bietet erprobte Erfolgsmethoden mit zahlreichen Tipps und praktischen Beispielen. Es ist somit eine sehr nützliche Hilfe bei der Lösung der praktischen Testaufgaben von heute und morgen.

A unique book that consists entirely of test automation case studies from a variety of domains - from the top names in the field *
*Proven advice to empower development organizations to save time by mirroring others' experiences and save money by avoiding others' mistakes. *Insightful case studies from a wide variety of domains, including aerospace, pharmaceuticals, insurance, technology, and telecommunications. *Focuses on the basic issues, rather than technology trends, to give the book a long shelf life. The practice of test automation is becoming more and more popular, but many organizations are not yet experiencing success with it. This book unveils the secrets of how automation has been made to work in reality. The knowledge gained by reading this book can save months or years of effort in automating software testing by helping organizations avoid expensive mistakes and take advantage of proven ideas. By its nature, this book shows the current state of software test automation practice. The authors aim to keep the contributions focused on those things that are more universal (e.g. people issues, return on investment, etc.) and to minimize detailed technical content where this does not impede the process of learning valuable lessons, in order to give the book as long a shelf life as possible. Software practitioners always enjoy reading about what happened to others. For example, at conferences, case study presentations are usually very well attended. The authors/editors have gathered together a collection of experiences from a cross-section of industries and countries, both success stories and failures, in both agile and traditional development. In addition to the case studies, the authors/editors comment on issues raised in these stories, and also include a chapter summarizing good practices and common pitfalls.

Software testing is a critical aspect of the software development process, and this heavily illustrated reference takes professionals on a complete tour of this increasingly important, multi-dimensional area. The book offers a practical understanding of all the most critical software testing topics and their relationships and inter-dependencies. This unique resource utilizes a wealth of graphics that support the discussions to offer a clear overview of software testing, from the definition of testing and the value and purpose of testing, through the complete testing process with all its activities, techniques and documentation, to the softer aspects of people

and teams working with testing. Practitioners find numerous examples and exercises presented in each chapter to help ensure a complete understanding of the material. The book supports the ISTQB certification and provides a bridge from this to the ISO 29119 Software Testing Standard in terms of extensive mappings between the two; this is a truly unique feature.

Business Driven Test Management (BDTM) This book offers business and IT managers insight into the possibilities of exerting increased business control of the test process: Business Driven Test Management (BDTM). The concept of BDTM prioritises the result and gives the client of the test process (whether a business or IT manager) the ability to manage the risk coverage, lead time and cost of the test process in both the planning and the execution phases. The book also contains an introduction to and summary of the TMap NEXT® Test Management Approach. TMap is the industry standard for testing that can be summarised in four essential principles: * Business Driven Test Management allows the client to manage testing on the basis of business considerations. * A full description of the test process, from test management to test specification & execution. * A complete 'toolbox' of technique descriptions and organisational & infrastructure support. * The method is adaptive, making it suitable for use in a range of situations and environments (new development, maintenance, waterfall / iterative / agile, custom-made / off-the-shelf software, outsourcing / offshoring). Over the years, TMap has evolved into the de facto standard for testing information systems. In 2006 it was updated as TMap NEXT, incorporating user experience and feedback and many practical examples, making it a highly valuable tool for current and future challenges in the field of testing. TMap NEXT is currently used in hundreds of companies and institutions in a broad range of sectors, including financial services, telecoms, government, utilities and aerospace. In addition to a summary of the methodology, this book features a detailed description of Business Driven Test Management and is therefore ideal for test managers who want to improve the quality of testing in their organisations.

Effectief testen in agile projecten In dit boek laten we zien hoe TMap® met de scrumaanpak kan worden geïntegreerd tot een agile geheel. De ervaring heeft geleerd dat testen niet alleen een uitermate belangrijke activiteit is in een scrumaanpak. Het heeft ook tot onze visie geleid dat testen volledig geïntegreerd moet worden met deze aanpak om maximaal agile te kunnen zijn. In dit boek leggen wij onze visie uit en vertalen we deze naar concrete toepassingen. Testen zien we hierbij nadrukkelijk niet als een proces náást, maar als een integraal onderdeel ván de scrumaanpak. Als waardevolle aanvulling heeft dit boek een door Arie van Bennekum geschreven bijlage met de titel: `Agile testen, wat te gebruiken van DSDM?. Arie is voorzitter van het Agile Consortium International en coauteur van het Agile Manifesto.

The First Complete Guide to Mobile App Testing and Quality Assurance: Start-to-Finish Testing Solutions for Both Android and iOS Today, mobile apps must meet rigorous standards of reliability, usability, security, and performance. However, many mobile developers have limited testing experience, and mobile platforms raise new challenges even for long-time testers. Now, Hands-On Mobile App Testing provides the solution: an end-to-end blueprint for thoroughly testing any iOS or Android mobile app. Reflecting his extensive real-life experience, Daniel Knott offers practical guidance on everything from mobile test planning to automation. He provides expert insights on mobile-centric issues, such as testing sensor inputs, battery usage, and hybrid apps, as well as advice

on coping with device and platform fragmentation, and more. If you want top-quality apps as much as your users do, this guide will help you deliver them. You'll find it invaluable—whether you're part of a large development team or you are the team. Learn how to Establish your optimal mobile test and launch strategy Create tests that reflect your customers, data networks, devices, and business models Choose and implement the best Android and iOS testing tools Automate testing while ensuring comprehensive coverage Master both functional and nonfunctional approaches to testing Address mobile's rapid release cycles Test on emulators, simulators, and actual devices Test native, hybrid, and Web mobile apps Gain value from crowd and cloud testing (and understand their limitations) Test database access and local storage Drive value from testing throughout your app lifecycle Start testing wearables, connected homes/cars, and Internet of Things devices

Das international anerkannte TPI-Modell von Sogeti hat sich als Standard zur Bestimmung und Verbesserung des Reifegrads von Testorganisationen etabliert. Die Stärken des klassischen TPI-Modells sind im neuen Modell weiterentwickelt worden. Das geschäftsbasiert ausgerichtete TPI-NEXT-Modell umfasst alle Kontrollfragen zur Feststellung des Reifegrads, wobei diese stärker ergebnis- und produktorientiert sind. Es kann zusammen mit TMap NEXT - der führenden Testmethodik von Sogeti - wie auch mit jeder anderen Testmethode eingesetzt werden und ist universell anwendbar.

Originally published in 1987, this paperback, from the author of THE DISCIPLINE OF MARKET LEADERS demonstrates how companies can profit from establishing more co-operative customer-supplier relationships and describes how customer intimacy works, how to implement it and what pitfalls to look out for. Illustrated with examples from top companies.

An inadequate infrastructure for software testing is causing major losses to the world economy. The characteristics of software quality problems are quite similar to other tasks successfully tackled by artificial intelligence techniques. The aims of this book are to present state-of-the-art applications of artificial intelligence and data mining methods to quality assurance of complex software systems, and to encourage further research in this important and challenging area. Contents:Fuzzy Cause–Effect Models of Software Testing (W Pedrycz & G Vukovich)Black-Box Testing with Info-Fuzzy Networks (M Last & M Friedman)Automated GUI Regression Testing Using AI Planning (A M Memon)Test Set Generation and Reduction with Artificial Neural Networks (P Saraph et al.)Three-Group Software Quality Classification Modeling Using an Automated Reasoning Approach (T M Khoshgoftaar & N Seliya)Data Mining with Resampling in Software Metrics Databases (S Dick & A Kandel) Readership: Students, researchers and professionals in computer science, information systems, software testing and data mining. Keywords:Artificial Intelligence;Data Mining;Software Testing;System Testing;Software Quality;Software Engineering;Software MetricsKey Features:Coverage of novel methods for software testing and software quality assuranceIntroduction to state-of-the-art data mining models and techniquesAnalyses of new and promising application domains of artificial intelligence and data mining in software quality engineeringContributions from leading authors in the fields of software engineering and data mining

How to Find and Fix the Killer Software Bugs that Evade Conventional Testing In Exploratory Software Testing, renowned software testing expert James Whittaker reveals the real causes of today's most serious, well-hidden software bugs--and

introduces powerful new “exploratory” techniques for finding and correcting them. Drawing on nearly two decades of experience working at the cutting edge of testing with Google, Microsoft, and other top software organizations, Whittaker introduces innovative new processes for manual testing that are repeatable, prescriptive, teachable, and extremely effective. Whittaker defines both in-the-small techniques for individual testers and in-the-large techniques to supercharge test teams. He also introduces a hybrid strategy for injecting exploratory concepts into traditional scripted testing. You’ll learn when to use each, and how to use them all successfully. Concise, entertaining, and actionable, this book introduces robust techniques that have been used extensively by real testers on shipping software, illuminating their actual experiences with these techniques, and the results they’ve achieved. Writing for testers, QA specialists, developers, program managers, and architects alike, Whittaker answers crucial questions such as:

- Why do some bugs remain invisible to automated testing--and how can I uncover them?
- What techniques will help me consistently discover and eliminate “show stopper” bugs?
- How do I make manual testing more effective--and less boring and unpleasant?
- What’s the most effective high-level test strategy for each project?
- Which inputs should I test when I can’t test them all?
- Which test cases will provide the best feature coverage?
- How can I get better results by combining exploratory testing with traditional script or scenario-based testing?
- How do I reflect feedback from the development process, such as code changes?

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